

Bill no.:	HR 3893
H.L.C.	
Amendment no.:	17
Date offered:	9/28/05
Disposition:	Agreed to by VV

AMENDMENT TO H.R. 3893
OFFERED BY MR. BROWN OF OHIO

At the end of title II, add the following new section:

1 **SEC. 207. CARBON-BASED FUEL CELL DEVELOPMENT.**

2 (a) GRANT AUTHORITY.—The Secretary is author-
3 ized to make a single grant to a qualified institution to
4 design and fabricate a 5-kilowatt prototype coal-based fuel
5 cell with the following performance objectives:

6 (1) A current density of 600 milliamps per
7 square centimeter at a cell voltage of 0.8 volts.

8 (2) An operating temperature range not to ex-
9 ceed 900 degrees celsius.

10 (b) QUALIFIED INSTITUTION.—For the purposes of
11 subsection (a), a qualified institution is a research-inten-
12 sive institution of higher education with demonstrated ex-
13 pertise in the development of carbon-based fuel cells allow-
14 ing the direct use of high sulfur content coal as fuel, and
15 which has produced a laboratory-scale carbon-based fuel
16 cell with a proven current density of 100 milliamps per
17 square centimeter at a voltage of 0.6 volts.

18 (c) AUTHORIZATION OF APPROPRIATIONS.—There
19 are authorized to be appropriated to the Secretary for car-
20 rying out this section \$850,000 for fiscal year 2006.

